

√ = PACKETS RECEIVED

X = PACKETS NOT RECEIVED

FIGURE 1

APPLICATION SEND THREAD

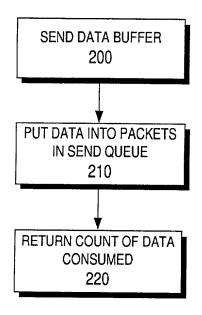


FIGURE 2A

ATP SEND THREAD WAIT UNTIL SEND DELAY TIME ENDS 230 ACKNOWLEDGMENT TO SEND? 235 YES ANY PACKET SEND YES → (C TIMEOUT EXPIRED? 270 NO ANY UNSENT DATA YES → (D PACKET? 275 NO GENERATE ACKNOWLEDGE **ONLY PACKET** 280 SEND ACKNOWLEDGE **ONLY PACKET** 285

FIGURE 2B

ATP SEND THREAD (A)ANY PACKET SEND B **ANY UNSENT** NO -TIMEOUT EXPIRED? DATA PACKET? 240 260 YES YĖS CGENERATE REPLACEMENT **GENERATE** PACKET HEADER **PACKET HEADER** 245 265 D SEND PACKET 250 **SET PACKET** SEND TIMEOUT TIME 255 FIGURE 2C

APPLICATION RECEIVE THREAD

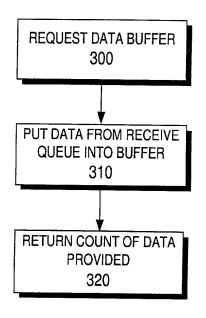
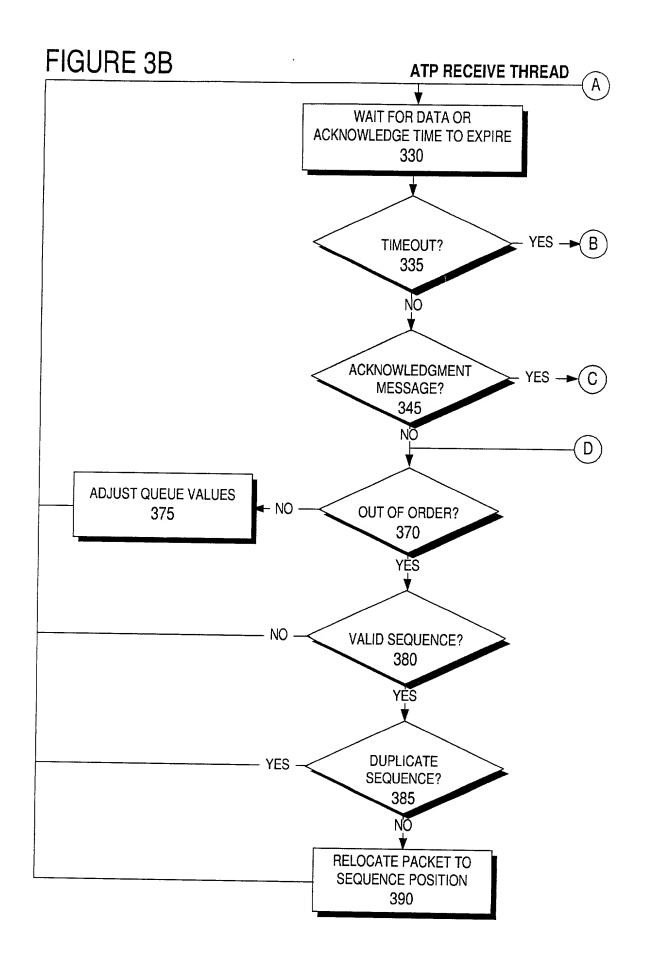
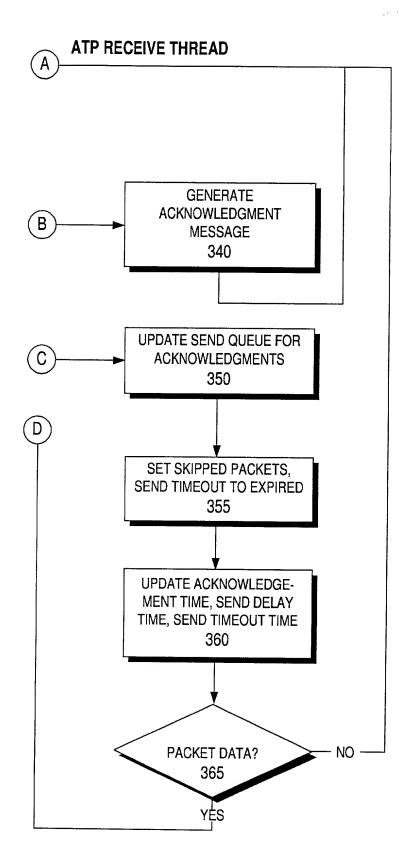


FIGURE 3A





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FIGURE 3C

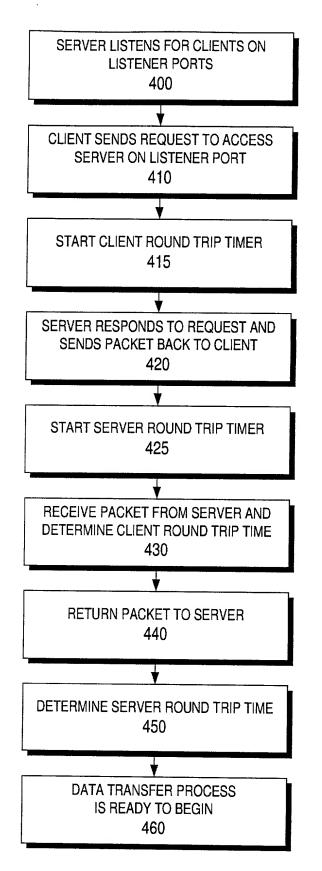
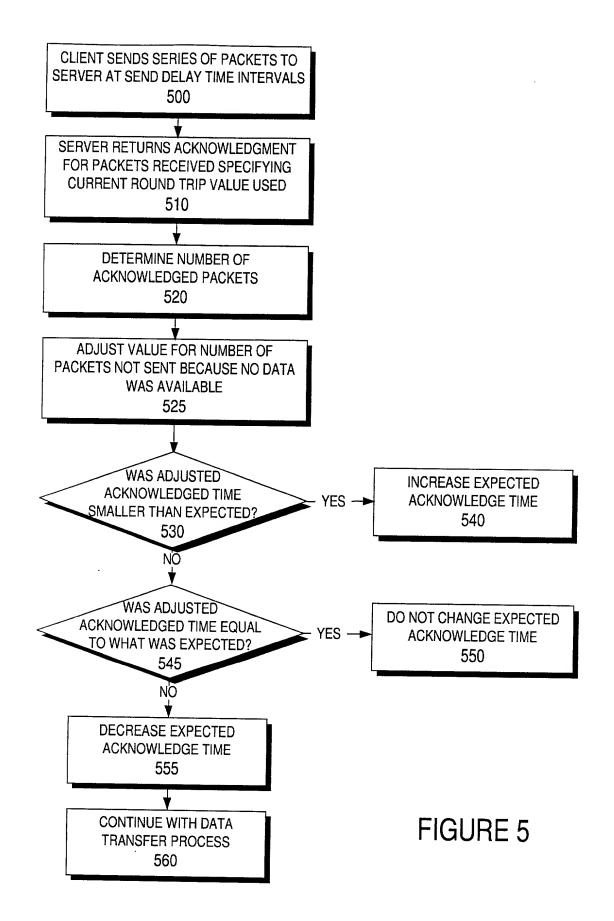


FIGURE 4



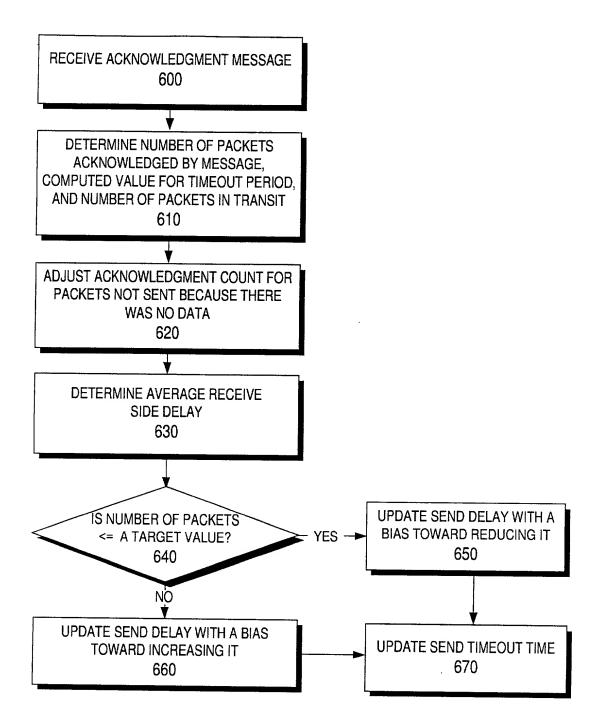


FIGURE 6

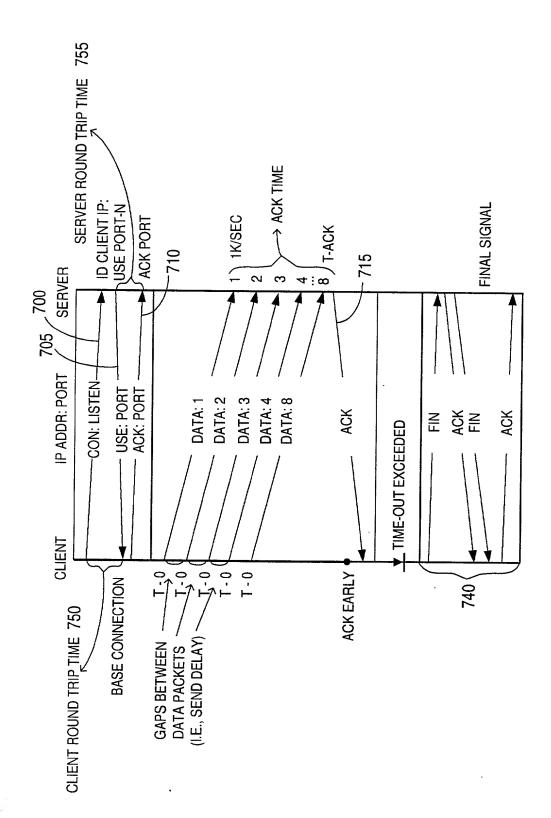


FIGURE 7

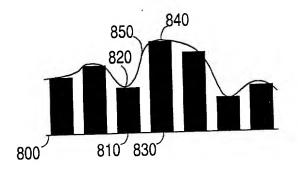
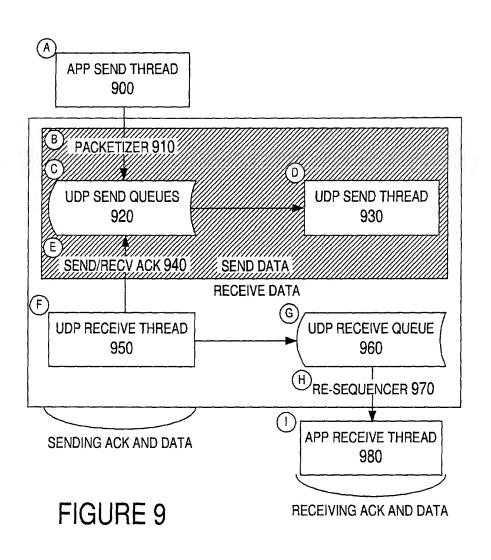
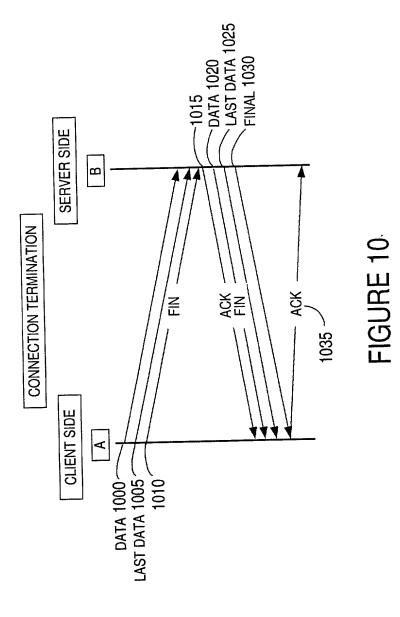


FIGURE 8





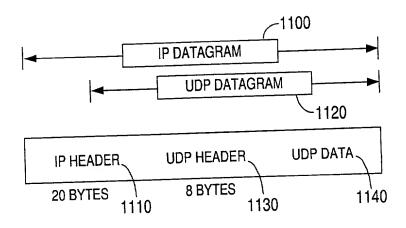
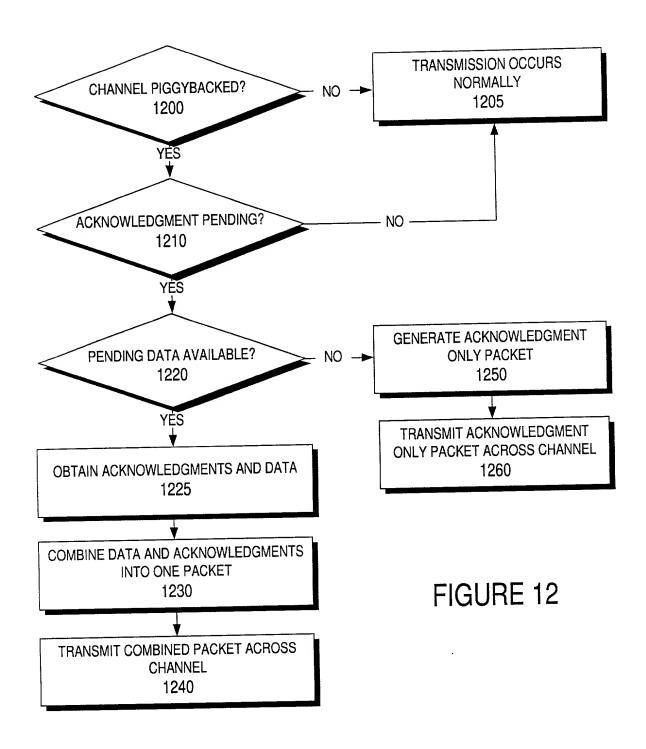
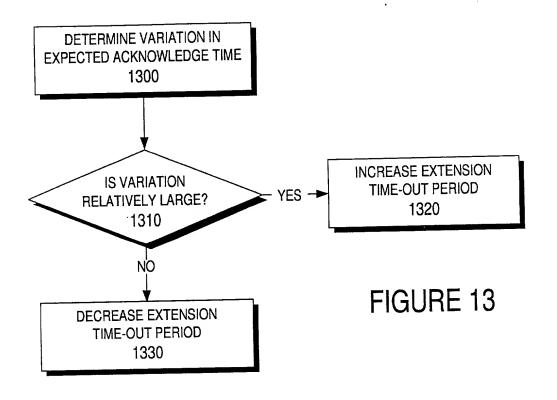
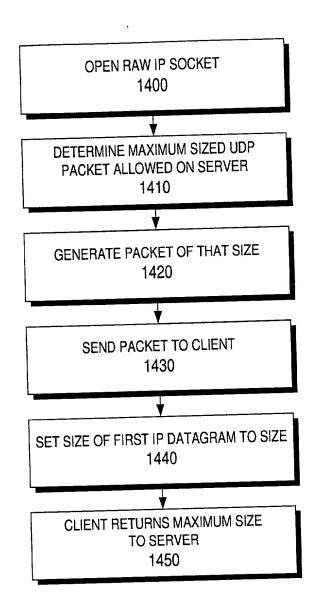


FIGURE 11

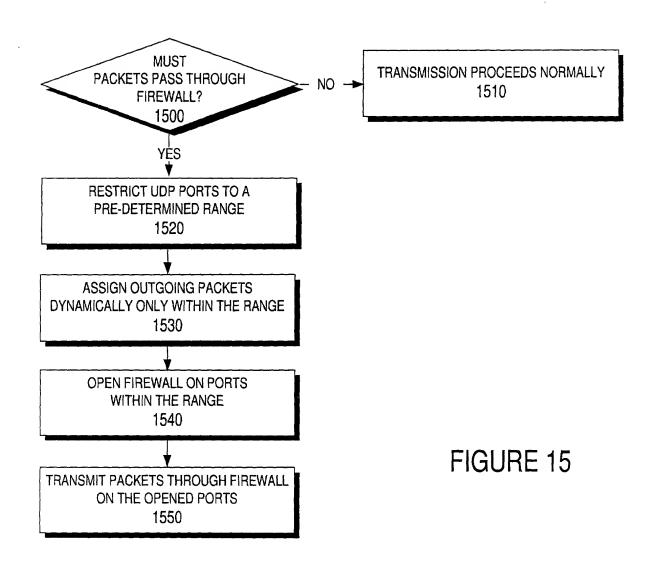






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FIGURE 14



VERSION	IHL	TOS	LENGTH			
IDENTIFICATION			FLAGS	FRAGMENT OFFSET		
TIME TO LIVE		PROTOCOL	CHECKSUM			
SOURCE IP ADDRESS						
DESTINATION IP ADDRESS						

FIGURE 16

SOURCE PORT			DESTINATION PORT			
SEQUENCE NUMBER						
ACKNOWLEDGMENT NUMBER						
OFFSET	RESERVE	FLAGS	WINDOW			
	CHECKSUM		URGENT POINTER			
	PADDING					

FIGURE 17